AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of allocating bandwidths in a wireless LAN ~~having~~ comprising a plurality of access points each using the same wireless technology for data communication with users and a control unit, the method comprising the [[steps of:-]]steps of:

a) continuously monitoring bandwidth usage by each of the access points via the control unit; and

b) re-allocating bandwidth from a low bandwidth usage access point to a high bandwidth usage access point.

2. (Original) A method as claimed in claim 1, wherein the access points each use the 802.11 wireless technology.

3. (Original) A method as claimed in claim 2, wherein the 802.11 wireless technology uses DSSS.

4. (Original) A method as claimed in claim 3, wherein step b) is such as to re-allocate a first sub-bandwidth of DSSS associated with the low bandwidth usage access point to complement a second sub-bandwidth of DSSS associated with the high bandwidth usage access point, and the method further comprises the step of expanding the coverage of a third access point using the third sub-bandwidth of DSSS for data communication with the users of the access point previously operating under the first sub-bandwidth of DSSS.

5. (Original) A method as claimed in claim 2, wherein the 802.11 wireless technology operates under FHSS.

6. (Original) A method as claimed in claim 5, wherein step b) is such as to re-allocate at least one FHSS bandwidth channel from the low bandwidth usage access point to the high bandwidth usage access point.

7. (Currently Amended) A wireless LAN ~~constituted by~~ comprising a plurality of access points each using the same wireless technology for data communication with users, ~~wherein the LAN is provided with means for~~ and a control unit operable to continuously ~~monitoring~~ monitor bandwidth usage by each of the access points, and ~~for re-allocating~~further operable to reallocate bandwidth from a low bandwidth usage access point to a high bandwidth usage access point.

8. (Original) A LAN as claimed in claim 7, wherein the access points each use the 802.11 wireless technology.

9. (Original) A LAN as claimed in claim 8, wherein the 802.11 wireless technology uses DSSS.

10. (Currently Amended) A LAN as claimed in claim 9, wherein the ~~monitoring and re-allocation means~~ control unit is ~~such as~~configured to re-allocate a first sub-bandwidth of DSSS associated with the low bandwidth usage access point to complement a second sub-bandwidth of DSSS associated with the high bandwidth usage access point, and said ~~means~~ control unit is ~~such as~~ further configured to expand the coverage of a third access point using the third sub-bandwidth of DSSS for data communication with the users of the access point previously operating under the first sub-bandwidth of DSSS.

11. (Original) A LAN as claimed in claim 8, wherein the 802.11 wireless technology operates under FHSS.

12. (Currently Amended) A LAN as claimed in claim 11, wherein the ~~monitoring and re-allocation means~~control unit is such as to re-allocate at least one FHSS bandwidth channel from the low bandwidth usage access point to the high bandwidth usage access point.

13. (Currently Amended) A method of allocating bandwidths in a wireless LAN ~~having~~ comprising a plurality of access points each using the 802.11, DSSS wireless technology for data communication with users and a control unit, the method comprising the [[steps of:-]]steps of:

a) continuously monitoring bandwidth usage by each of the access points via the control unit; and

b) re-allocating bandwidth from a low bandwidth usage access point to a high bandwidth usage access point; wherein

step b) is such as to re-allocate a first sub-bandwidth of DSSS associated with the low bandwidth usage access point to complement a second sub-bandwidth of DSSS associated with the high bandwidth usage access point, and the method further comprises the step of expanding the coverage of a third access point using the third sub-bandwidth of DSSS for data communication with the users of the access point previously operating under the first sub-bandwidth of DSSS.

14. (Currently Amended) A method of allocating bandwidths in a wireless LAN having a plurality of access points each using the 802.11, FSSS wireless technology for data communication with users and a control unit, the method comprising the steps of:-

a) continuously monitoring bandwidth usage by each of the access points via the control unit; and

b) re-allocating bandwidth from a low bandwidth usage access point to a high bandwidth usage access point; wherein

step b) is such as to re-allocate at least one FHSS bandwidth channel from the low bandwidth usage access point to the high bandwidth usage access point.

15. (Currently Amended) A wireless LAN ~~constituted by~~comprising a plurality of access points each using 802.11, DSSS wireless technology for data communication with users, wherein the LAN ~~is provided with means for~~ comprises a control unit operable to continuously ~~monitoring~~ monitor bandwidth usage by each of the access points, and ~~for re-allocating~~to reallocate bandwidth from a low bandwidth usage access point to a high bandwidth usage access point; and wherein the ~~monitoring and re-allocation means~~control unit is further operable ~~is such as~~ to re-allocate a first sub-bandwidth of DSSS associated with the low bandwidth usage access point to complement a second sub-bandwidth of DSSS associated with the high bandwidth usage access point, and wherein said ~~means is such as~~control unit is further operable to expand the coverage of a third access point using the third sub-bandwidth of DSSS for data communication with the users of the access point previously operating under the first sub-bandwidth of DSSS.

16. (Currently Amended) A wireless LAN constituted by a plurality of access points each using 802.11, FSSS wireless technology for data communication with users, wherein the LAN ~~is provided with~~ comprises a control ~~means for continuously monitoring~~unit operable to continuously monitor bandwidth usage by each of the access points, and for re-allocating bandwidth from a low bandwidth usage access point to a high bandwidth usage access point; and wherein the ~~monitoring and re-allocation means is such as~~control unit is further operable to re-allocate at least one FHSS bandwidth channel from the low bandwidth usage access point to the high bandwidth usage access point.